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The University of Chicago
FOUNDED BY JOHN D. ROCKEFELLER

QUARTERLY ANNOUNCEMENTS

THE SPRING QUARTER, 1905

EXPLANATIONS AND NOTES

I. MATRICULATION AND REGISTRATION

1. **Time of Registration.**
   a) *Students in residence* during the Winter Quarter will register for the Spring Quarter during the week beginning Monday, March 13, 1905.
   b) Students entering the University *for the first time*, or resuming work after an absence of a Quarter, will register for the Spring Quarter on or before Saturday, April 1, 1905.
2. **Order of Registration.** — The usual registration cards will be filled with names of Departments and numbers of courses selected, and will be left with the clerk of the Dean with whom registration is effected.
3. **Waiting List.**—Students' names are enrolled in classes only when tuition has been paid. In the case of classes for which there is a waiting list, places will be reserved for three days for those who have been registered. If any students for such a course have not paid their tuition at the close of the third day, the place will not be reserved longer, but will be thrown open to students upon the waiting list who have paid their tuition.
4. **Changes in Registration.**—Registration being once effected, change of the same, unless caused by the University, is permitted only (1) with the consent of the Dean, and (2) on payment of a fee of *one dollar* for each instance of change.
5. **Abbreviations.** — The following abbreviations are used
   a) **For Buildings:**
      A = Anatomy Building.
      B = Botany Building.
      Bl = Emmons Blaine Hall
      C = Cobb Lecture Hall.
      E = Ellis Hall.
      F A B = Fine Arts Building.
      G = Gymnasium Building.
      Gr = Green Hall.
      H = Haskell Museum.
      K = Kent Chemical Laboratory.
      L = Law Building.
      Lx = Lexington Hall.
      M T B = Manual Training Building.
      P = Physiology Building.
      Psy Lab = Psychological Laboratory, 5704 Ellis av.
      R = Ryerson Physical Laboratory.
      W = Walker Museum.
      Y = Yerkes Observatory.
      Z = Zoölogy Building.
   b) **For Rooms:** A, B, C, and D refer to the floors in Cobb Lecture Hall, beginning with the ground floor as A. The rooms are numbered, e.g., C 2 D = Cobb Hall, Room No. 2, 4th floor.

II. FEES

ALL FEES ARE PAYABLE TO THE REGISTRAR, COBB LECTURE HALL, ROOM 7 A.

SPECIAL NOTICE.—*All tuition and laboratory fees are due and payable on or before the* FIRST *day of* EACH QUARTER. *Delay on the part of the student may be avoided by sending a* CHECK *for the amount due to the Registrar, who will return a receipt at once.*

CHICAGO
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	I. PHILOSOPHY	I A. PSYCHOLOGY	II. POLITICAL ECONOMY	III. POLITICAL SCIENCE	IV. HISTORY	V. HISTORY OF ART	VI. SOCIOLOGY AND ANTHROPOLOGY	VI A. HOUSEHOLD ADMINISTRATION	VII. COMP. RELIG.	S
8:30	7 Æsthetics (Tufts) 𝔏 (west) Prerequ.: Introductory Psychology. 60 Psychology applied to Education (Moore) 𝔐 213	Psychology Applied to Education (Moore) 𝔐 213	22 Finance (Davenport) ℂ 8 c 64 American Competition in Europe since 1873 (Meyer) ℂ 10 c	13 Comparative Politics III. State Governments in the United States (Merriam) ℂ 9 c	3 *The United States* (Jameson) ℂ 6 A 17 The United States, 1820-1860 (Shepardson) ℂ 7 c 76 France under Louis XIV (Thompson) ℂ 11 c		52A Development and Organization of the Press (Vincent) ℂ 11 B	121 Food and its Preparation (Norton) 𝔐 388 Lect. See 2:00 Design (Cushman) M, Tu, Th, F 𝔐 400 Textiles (Mitchell) 𝔐 492 Prerequ.: Courses 171-72 or 171 and 169A History of Furniture (Langley and Butler) 𝔐 404 Lect. and Lab. 2 hrs		28 M 32 72 and 140 222
9:30	2 Ethics (Gore) 𝔏 (north) 70 Aim and Equipment of the High-School Teacher (Locke) 𝔐 213	1 *Psychology*[1] (Ashley) ℂ 6 A 20 Theoretical Comparative Psychology (Mead) 𝔏 (west)	12 Modern Business Methods. Corporat'n Finance (Morris) ℂ 12 c 44 Socialism (Veblen) ℂ 10 c	1 *Civil Government in the United States*[1] (Merriam) ℂ 9 c	88 Constitutional History of the United States since 1815 (Shepardson) ℂ 7 c 107 The History of the Organization of Religion in America (Jameson) ℂ 8 c		96 The Ethics of Sociology (Small) ℂ 16 c	125 Chemistry of Foods (Norton) Lect.: M, W See 2:00 Prerequ: General Chemistry and either Course 122 or Course 43		81 122 144 21
11:00	29 The Social and Ethical Content of Modern Philosophy (Tufts) 𝔏 (west) 32 Philosophy in Relation to Science; Modern Thought (Mead) 𝔏 (north) 71 Topics in Secondary Education (Butler) 𝔐 213		3 *Economic and Social History* (Morris) ℂ 10 c 25 Economic Factors in Civilization (Veblen) ℂ 9 c		15 The Constitutional and Political History of England in the Eighteenth and Ninet'nth Centuries (Terry) ℂ 16 c 39 Constitutional Hist. of Germany in the Middle Ages. (Thatcher) ℂ 7 c 86 History of Internal Improvem'ts in the United States (Sparks) ℂ 8 c 92 Early English Institutions (Terry) ℂ 16 c M 11:00-1:00		10 Mexico (Starr) 𝔚 71 *An Introduction to the Study of Society* (Vincent) ℂ 12 c	44 Administration of the House (Talbot) ℂ 11 c An Introduction to the Study of Society (Vincent) (See VI-71)	42 System of Dogmatics DMj (Foster) 𝔟 26	128 132 150
12:00	72 National School Systems (Butler) 𝔐 213	22 Psychology of Religion (Ames) 𝔟 36	42 Labor and Capital (Laughlin) ℂ 12 c 2 *Principles of Pol. Economy* (Davenport) ℂ 10 c 8 The Mathematics of Insurance (Epsteen) ℂ 9 c Prerequ.: Trigonometry and College Algebra (Mathematical Courses 1, 2 or 1, 5 or 4, 5.) See Mathematics 9		9 The Age of Renaissance, 1250 A. D. to 1500 A. D. (Thatcher) ℂ 7 c 52 History of England (Terry) ℂ 16 c 85 United States History: Secession, Civil War, and Reconstruct'n, 1860 to 1872 (Sparks) ℂ 8 c 99 The Expansion of Europe since the Fifteenth Century (Dennis) ℂ 11 c		2 Ethnology (Starr) 𝔚		42 System of Dogmatics DMj (Foster) 𝔟 26	130 162
2:00		12 Experimental Psychology (Angell) Psy Lab Lect.: 2:00-3:00 Laboratory: 2:00-4:00	10 *Accounting* (Arnett) ℂ 8 c 63 The Industrial Activities of the State in Australasia (Meyer) ℂ 13 c		12 Europe in the Nineteenth Century (Dennis) ℂ 12 c	6 Venetian and Modern Painting (Zug) ℂ 9 B	9 Physical Anthropology—Laboratory Work (Starr) 𝔚 13 Laboratory Work in Anthropology (Starr) 𝔚 17 Seminar: General Progress in Anthropological Science (Starr) F 𝔚 90 Seminar: Problems in Methodology and Classification (Small) ℂ 2 c M 2:00-4:00	21 The Legal and Economic Position of Women (Breckinridge) ℂ 11 c 121 Lab, M, 2:00-4:00 See 8:30 125 Lab. Tu, Th, 2:00-5:00 See 8:30 Textiles M, Tu, Th, F, 2 hrs		5 200
3:00	75 Administration of Public Education in the United States with Special Reference to the City (Locke) Tu 𝔐 202	12 See 2:00	5 *Commercial Geography* (Goode) ℂ 9 c	32 Constitutional Law II (Federal) (Hall) 𝔏		10 Dutch Painting (Zug) ℂ 9 B		47 Modern Probloms in Household Administration (Talbot) ℂ 12 c Tu, Th 3:00-5:00 121 See 2:00 125 See 2:00		182
4:00	38 Modern Metaphysics (Moore) M, Th ℂ 1 D Greek Philosophy (Shorey) See XI-65 For additional courses in education for high-school and elementary teachers, see the announcements of the School of Education. Courses 29*a* and 94, see p. 8	[1]Prerequisite: 12 Majors of College Work. Required of all students before taking a Bachelor's degree, except as stated in the *Undergraduate Handbook*, § 13, No. 7. Course 15, see p. 8	Course 9, see p. 8	[1] Students who have had an adequate course in Civil Government substantially equivalent to the above, in the high school or academy, will be excused from this course. Otherwise Course 1 is a prerequisite to all courses in the department (except the Courses 31 and 32). NOTE.—For courses in Criminal Law, and other legal courses formerly given in the Department of Political Science, see Announcements of the Law School; also III The Law School, p. 7. of these *Announcements*.				47 See 3:00 125 See 2:00 53 Special Research (The Instructors of the Department) 126 Special Problems in Food Chemistry (Norton) 𝔐 388 1 Mj or ½ Mj Prerequ.: Course 125		194 258 260

I. COURSES OFFERED BY THE FACULTIES OF ARTS, LITERATURE, AND SCIENCE—REVISED FOR SPRING QUARTER, 1905

NOTE.—Mj indicates Major (=1 exercise daily for a quarter); M, Minor (=1 exercise daily for a term, six weeks); DMj and DM, Double Major and Double Minor respectively (=2 exercises daily in the same periods). All courses are Major unless otherwise indicated. Junior College Courses are printed in *italics*; Senior College Courses in **bold face type**; Graduate Courses in Roman.

Time rows (printed at right margin): 8:30 · 9:30 · 11:00 · 12:00 · 2:00 · 3:00 · 4:00

VIII. …TIC LANGUAGES …D LITERATURES

8:30 — …Minor Prophets (W. R. Harper) ℌ 26 7:30 · …e Psalms Mj (W. R. Harper) ℌ 26 · …brew Philosophy …hics ½ or ½Mj Sn… (W. R. Harper) ℌ 26 · …blical Aramaic Mj (R. F. Harper) ℌ 23 · …ptic Language (Breasted) ℌ 24

9:30 — …e Priestly Element (W. R. Harper) …quired ℌ 26 · …shnah (Hirsch) ℌ 21 · …ginning of Syriac …F. Harper) ℌ 23 · …te Egyptian (Breasted) ℌ 24

11:00 — …rusalem Talmud 2T (Hirsch) ℌ 21 · …e Civil and Criminal Legislation of the …lmud 1T (Hirsch) ℌ 21 · …syrian Language …F. Harper) ℌ … · …ginning Ethiopic …J. Goodspeed) ℌ 25

12:00 — …lakkic Themes (Hirsch) ℌ 21 · … Literature …R. F. Harper) ℌ …

2:00 — …uteronomy: Critical Translation and a Study of Syntax (Smith) ℌ 25 · …ife of Mohammed (Jewett) ℌ 36

3:00 — …lected Suras of the Koran (Jewett) ℌ 36

4:00 — …istory of the Crusades (Jewett) ℌ 36 · …minar. III. Comparative Semitic Syntax. Tu. 4 00-6 00 (…. H. Harper) ℌ 26 · …minar. Comparative Semitic Lexicography Mj (…F. Harper) ℌ 23

IX. BIBLICAL AND PATRISTIC GREEK

8:30 — 4 Rapid Translation and Interpretation Mj (Goodspeed) ℌ 25 · 16 General Survey of the New Testament Literature Mj (Burton) *Required* ℌ 28

9:30 — 53 The Apostolic Fathers Mj (Goodspeed) ℌ 25

11:00 — 19 The Life of Christ Mj (Mathews) ℌ 28

4:00 — 58 Theology of the Second Group of the Epistles of Paul Tu, F 4 00-6 00 Mj. (Burton) ℌ 28

X. SANSKRIT AND COMP. PHILOLOGY

9:30 — 32 Elementary Japanese (Yushioka) ℭ 12 D

12:00 — 7 Greek Dialects (Buck) ℭ 12 D

3:00 — 17 Pali (Meyer) ℭ 12 D

4:00 — 3 Exercises in Greek and Latin Historical Grammar (Buck) ℭ 12 D M, F 4 00-6 00 · 26 Vedic Seminar (Meyer) ℭ 12 D W, 4 00-6 00

¹Required of all students in the College of Arts

XI. GREEK

8:30 — 4 *Introduction to Greek Tragedy*¹ (Capps) ℭ 13 C · 9 *Plato, Minor Dialogues* (Tarbell) ℭ 2 D

9:30 — 37 Greek Idyls (Tarbell) ℭ 2 D · 51 Homer and Homeric Age (Castle) ℭ 13 C Open to Seniors

11:00 — 3 *Homer, Odyssey* (Castle) ℭ 10 D

12:00 — 1 *Homer* (Henson) ℭ 10 D · 2 *Plato, Apology and Crito; Xenophon, Memorabilia* (Owen) ℭ 8 D

2:00 — 16 **Greek Composition** (Owen) ℭ 11 D

3:00 — 27 Pindar and Bacchylides (Shorey) ℭ 8 D

4:00 — 41 Greek Comedy (Capps) ℭ 2 D M 4 00-6 00 · 65 Seminar: Greek Philosophical Literature (Shorey) ℭ 2 D W 4 00-6 00

XII. LATIN

8:30 — 5 *Livy*¹ Sec. a (Men) (Sanford) 𝔈 4 Prerequ. Course 4 · 8 *Horace: Odes* Sec. a (Men) (Ballou) 𝔈 5; Sec. b (Women) (Laing) 𝔏 5 Prerequ. Courses 4 and 5 · 31 **The Historical Development of Roman Oratory** (Chandler) ℭ 8 D · 42 **Teachers' Course: 1st and 2d yr. High School Work** (Hale) 𝔅l 212

9:30 — 4 *Cicero, de Senectute; Terence, Phormio*¹ (Sanford) ℭ 15 D · 5 *Livy*¹ Sec. b (Women) (Miller) 𝔏 6 Prerequ. Course 4 · 14 **Cicero's Letters** (Abbott) ℭ 9 D · 36 **Cicero: The Philosophical Works** (Chandler) ℭ 8 D

11:00 — 2A *Vergil, Aeneid*² (Sanford) ℭ 15 D Prerequ. Course 1 · 6 *Horace, Odes* Sec. c (Women) (Hendrickson) 𝔏 6 Prerequ. Courses 4 and 5 · 66 Translation as an Art (Miller) ℭ 12 D · 67 Catullus: Research Course (Hale) ℭ 8 D

12:00 — 10 *Rapid Reading Course* (Ballou) ℭ 15 D · 64 Research Course in Cicero's Rhetorical Writings (Hendrickson) ℭ 9 D

2:00 — 44 **Martial** (Laing) ℭ 8 D

4:00 — 81A Seminar: Colloquial Latin (Abbott) ℭ 2 D Tu 4 00-6 00 · 86 Seminar: The Comparative Syntax of Latin and Greek (Hale) ℭ 2 D Th 4 00-6 00

¹4 and 5 required of all candidates for the A.B. or Ph.B. degree. ²1A, 1B and 2A are required of all candidates for the degree of S.B. who enter with only two units of credit in Latin.

XIII. ROMANCE

8:30 — 4 *Practice in Speaking and Writing French*¹ (Ingres) ℭ 16 D Prerequ. Completion of Course 3 · 7 *Modern French Readings* (David) ℭ 8 D · 31 French Phonetics and Versification (Jenkins) ℭ 17 C

9:30 — 2 *Elementary French* Sec. a (Men) (Neff) 𝔈 8; Sec. c (Women) (David) 𝔏 5 · 6 *Practice in Speaking and Writing French*¹ (Ingres) ℭ 16 D Prerequ. Course 1 · 19 **Introduction to French Literature** (Jenkins) ℭ 17 C

11:00 — 3 *Intermediate French* Sec. b (Women) (Ingres) 𝔏 5 · 9 *Elementary Training Course in French*² (David) ℭ 8 D · 14 **Eighteenth Century French Writers** (Neff) ℭ 17 C

12:00 — 2 *Elementary French* Sec. b (Men) (Williamson) 𝔈 8; Sec. d (Women) (Neff) 𝔏 6

2:00 — 3 *Intermediate French* Sec. a (Men) (Williamson) 𝔈 8 · 79 **Cervantes** (Pietsch) ℭ 16 C

3:00 — 6 *Advanced French* (Williamson) ℭ 16 C · Courses 48 and 108 see p. 8.

¹Courses 1, 3, 6, and 8 should be taken in consecutive quarters and in that order. Courses 4 and 6 are elective practice courses. Students who begin French in the University will take Courses 1 and 3. Those who receive credit for one unit of French on admission will begin with Course 3. Those who receive credit for two units will begin with Course 6 (or 8). Those who receive credit for three units will consult the departmental examiners before registering.
²This course is recommended to those desiring to teach Elementary French.
³Graduate course, open to Seniors.

XIV. GERMAN

8:30 — 1 *Elementary German*¹ (Goettsch) ℭ 12 C · 83 Middle High German (Kern) ℭ 12 D · 2 *Elementary German* (Becker) ℭ 15 B · 46 **Introduction to the Study of German Literature** (Cutting) ℭ 10 D · 5 *Modern Prose Readings* (von Noé) ℭ 9 D

9:30 — 3 *Intermediate German* (Cutting) ℭ 10 D · 4 *Elementary German Comp.* (Goettsch) ℭ 11 C · 25 **Goethe's Lyric Poetry as an Exponent of His Life** (von Klenze) ℭ 11 D · 107 Geschichte der deutschen Sprache (Kern) ℭ 10 D

11:00 — 6 *German Comedies* (Becker) ℭ 9 D · 62 The Nibelungenlied (von Klenze) ℭ 11 D

2:00 — 73 Geschichte der deutschen Litteratur im 16. Jahrhundert (Cutting) ℭ 10 D

¹The two Majors of this course (XIV, 1, 2) are to be taken in successive quarters

XV. ENGLISH

8:30 — 1 *Rhetoric and English Composition*¹ Sec. a (Men) (Huston) 𝔈 6; Sec. b (Women) (Boynton) 𝔏 7 · 4 **English Composition** (Flint) ℭ 10 D · 76 Wordsworth and the English Romantic Movement (Reynolds) ℭ 11 D For Senior Colleges, not open to the Graduate School

9:30 — 40 *An Introduction to English Literature*² Sec. a (Men) (Boynton) 𝔈 13; Sec. b (Women) (Linn) 𝔏 4

11:00 — 3 *English Composition*¹ Sec. a (Men) (Flint) 𝔈 13; Sec. b (Women) (Linn) 𝔏 1 · 48 **English Literature, 1832-1892** (Tolman) ℭ 10 D

12:00 — 41 *Shakspere* (Tolman) ℭ 8 D

2:00 — 23 Old English Beowulf (Blackburn) ℭ 9 D · 86 The Drama in England from 1580 to 1642 (Manly) ℭ 10 C

3:00 — 27 Later Middle English: Piers the Plowman (Manly) ℭ 10 C · 34 The Origin and Development of Language, illustrated by the History of English (Blackburn) ℭ 9 D Open to Students in the Senior Colleges and the Graduate School · 44 **English Literature, 1642-1700** (MacClintock) ℭ 10 D

4:00 — 36 English Language Seminar (Blackburn) ℭ 9 D Time to be arranged with instructor · 58 Studies in the Beginnings of the Romantic Movement (Reynolds) ℭ 15 B W, F 4 00-6.00 · 84A Problems in the History of the Drama (Manly) ℭ 8 D W 4 00-6 00 · 102 2. History of English Literary Criticism since 1750 (MacClintock) ℭ 10 D Tu, Th 4 00-6 00

¹Required of all Junior College students. Must be taken immediately after entrance to the University.
²One Major of English Literature is required of all students except candidates for S.B. It is prerequ. to all other courses in English Literature.
³Required of all Junior Col. students

XVI. GENERAL LITERATURE

9:30 — The Priestly Element in the Old Testament (W. R. Harper) See VIII-21

11:00 — The History of English Literary Criticism (MacClintock) See XV …

2:00 — 40 Fou… Princ… of the Study of Literature (Moul…) …15 B

3:00 — 4 A Reading Course in Modern Readers in Ancient Classical Tragedies and Comedies (Moulton) ℭ 6 A

XVII. MATHEMATICS

8:30 — 39 Advanced Calculus III (Slaught) ℜ 36 Prerequ. Courses 11, 38

9:30 — 2 *Required Mathematics II*¹ Sec. a (Slaught) ℭ 9 D Prerequ. Course 1

11:00 — 1 *Required Mathematics I*¹ (Dickson) ℭ 9 D Prerequ. Course 0 · 15 **Introductory Calculus** (Young) ℜ 36 Prerequ. Trigonometry and Coll. Algebra · [Education 133] Pedagogy of Secondary Mathematics (Myers) 𝔅l 110 · 172 Seminar A (Moore) ℜ 35 S 10:30-12.30

12:00 — 3 *Required Mathematics III*¹ Sec. a (Men) (Dickson) 𝔈 9; Sec. b (Women) (Young) 𝔏 9 Prerequ. Courses 1 and 2 · 9 **Mathematics of Insurance** (Epstein) ℜ 36 Prerequ. Courses 1, 2, and Pol. Econ. 1 · [Education 135] Surveying and Astronomy (Myers) 𝔅l 110 Prerequ. Plane Trigonometry. Note —A fee of $2.00 must be deposited with the Registrar for this course. Number limited to 16

2:00 — 111 Theory of Real Functions of a Real Variable (Bolza) ℜ 38 Prerequ. Advanced Calculus and a certain general maturity · 172 See 11:00 · 20 **Calculus III** (Moore) 𝔅l 110 Prerequ. Courses 18, 19 · 157 Vector Analysis (Lunn) ℜ 36 Prerequ. Advanced Calculus I

3:00 — 2 *Required Mathematics II*¹ Sec. b (Lunn) ℜ 36 Prerequ. Course 1

¹A candidate for the degree of A.B. or Ph.B. is required to take two courses and a candidate for the degree of S.B. is required to take three courses of Courses 1-10. Students are limited in choice only by the prerequisite specifications of the various courses and by the condition that of Courses 1 and 4 (Required Mathematics I, Trigonometry) only one may be taken.

Course 174, see p. 8

XVIII. ASTRONOMY & ASTROPHYS.

8:30 — 3 *Descriptive Astronomy* (Laves) ℜ 35 No Prerequ. 7:30 · 35 The Lunar Theory (Moulton) ℜ 35

9:30 — 23 Introduction to Celestial Mechanics II (Moulton) ℜ 35

11:00 — 8 **Spherical and Practical Astronomy** (Laves) ℜ 35 · Research Work at the Yerkes Observatory, Williams Bay, Wis.

XIX. PHYSICS

8:30 — 1 *Mechanics, Molecular Physics, and Heat* (Mann) 8 30-10.30 Prerequ. Entrance Physics or both Majors of Course 0 · 16 **Experimental Physics** (Hobbs) ℜ 19 8 30-10 30 Prerequ. Differential and Integral Calculus, Physics 1, 2, and 3

9:30 — 1 See 8 30 · 3 *Lecture Demonstration Course* (Millikan) · 16 See 8 30

11:00 — 11 **Molecular Physics** (Millikan) Prerequ. General Physics 1, 2, and 3, Differential and Integral Calculus · 41 **The Development of Scientific Thought** (Mann)

12:00 — 31 **Theoretical Physics** (Michelson) ℜ 32 Prerequ. Physics 11, 12, and 13

3:00 — 43 Sound (Hobbs)

Courses 32 and 33, see p. 8.

XX. CHEMISTRY

8:30 — 28A **Elementary Physical Chemistry** ½Mj (McCoy) Lect. W, F 𝔎 22 Prerequ. Coll. Physics (Course 1) and Qual. Anal. · 38 The Aromatic Series (Hessler) 𝔎 22 Lect. M, Tu Prerequ. Organic Chemistry

9:30 — 3 *General Inorganic Chemistry III* Sec. b (Smith) 𝔎 36 Lab.² Th, F, 10 00-1:00 Lect. See 12 00 Lab. fee, $5.00

12:00 — 3 *General Inorganic Chemistry*¹ *III* Sec. a (Smith) Lect. M, Tu, Th 𝔎 20 Lab.² Th, F, 1 00-5.00 𝔎 36; Sec. b Lect. M, Tu, W 𝔎 20 Lab.² Th, F, 10:00-1 00 𝔎 36 Lab. fee, $5.00 · 16 **Organic Chemistry** (Nef) Lect. W, Th, F M. 1T. (Lectures only) 𝔎 22

2:00 — 3 *Gen. Inorganic Chem. III* Sec. a (Smith) 𝔎 36 Lab.²: Th, F, 2 00-5:00 See 12 00 Lab. fee, $5.00 · 6 **Qualitative Analysis** Mj or DM 1T (Jones and Holmes) Lect. M, Th 𝔎 22 Lab. 8 hrs. a week 𝔎 42 Prerequ. Course 3 Lab. fee, $5.00 · 7 **Qualitative Analysis** Mj or DM 2T (Holmes) Lect. Tu, F 𝔎 22 Lab. 8 hrs. a week 𝔎 42 Lab. fee, $5.00 · 8 **Quantitative Analysis**¹·³ Mj or DM (Barnard) Lect. W 𝔎 22 Lab. 8 hrs. a week 𝔎 31 Prerequ. Courses 6 and 7² Lab. fee, $5.00 · 28B **Practical Physical Chem.**⁴ ½ Mj (McCoy) 𝔎 31 Lab.: 6 hrs. a week Prerequ. College Physics (Course 1), Quantitative Analysis (Course 8). Lab. fee, $2.50 2:00

4:00 — 19 Chem. of Drugs (Haines) Tu, Th, F 4.00-5.00 4:00

¹The lecture and class-room work of Course 3 may be taken by Graduate Students without the laboratory work or laboratory fee.
²Laboratory work in General Chemistry may, by arrangement with the instructor, be taken outside of the regular periods.
³Medical students are admitted to Course 8 if they have taken Course 6.
⁴Course 28A should accompany or precede Course 28B.

Courses 9, 10, 11, 13 (A, C, D, E, G, H), 20, 21, 22, 25, 26, 27, 31, 32, 33A, 33B, 33C, 33D, 43, see p. 8.

XXI. GEOLOGY

8:30 — 1 *Physiography* (Barrows) 𝔚 2 · 38 Ore Deposits M 1T (Ransome) 𝔚 3 Prerequ. Course 29

9:30 — 13 Vulcanism and Metamorphism (Iddings) 𝔚 2 Prerequ. Courses 12 and 18

11:00 — 29 **Economic Geology** M 1T (Ransome) 𝔚 2 Prerequ. Courses 12 and 16, Inorganic Chemistry and Physics

12:00 — 2 *General Geology* (Atwood) 𝔚 2

2:00 — 7 **Field and Laboratory Course**¹ M 2T (Atwood) 𝔚 3 Field work on Saturdays, and one afternoon each week Prerequ. Geol. 1 and 2. Class limited to 16 · 10 **Elementary Mineralogy and Petrology**¹ M 1T (Atwood) 𝔚 3 2.00-4.00 Prereq. Geol. 1 and 2. Class limited to 10 · 18 **Geologic Life Development** (Weller) 𝔚 2 Lect. M, W, F 2 00 Lab.: Tu, Th 2:00-4.00 Prerequ. Systematic Zoology and Botany, and Courses 15, 16

3:00 — 7 See 2:00 · 10 See 2:00 · 18 See 2:00 · 22 Paleontologic Geology (Weller) 𝔚 3d floor Prerequ. Courses 2 and 21 or equivalents

4:00 — 32 Petrology Mj or DMj (Iddings) 𝔚 3 Prerequ. Course 12 · 41 Principles and Theories of Geology (Chamberlin) 𝔚 3 Prerequ. Courses 15 and 16 or their equivalents, Mineralogy and Petrology, …rse 10

¹7 and 10 will be given as a continuous course.

Courses 26, 36, and 46, see p. 8.

XXI A. GEOGRAPHY

8:30 — See Course 1, Geology

9:30 — 10 Economic Geography of North America (Goode) 𝔚 2

2:00 — See Courses 7 and 10 Geology

3:00 — *Commercial Geography* (Goode) ℭ 5 C See Course 5, Polit. Econ.

Course 32, see p. 8.

XXII. ZOOLOGY

8:30 — 20 Vertebrate Embryology Mj or DMj (Lillie and Lane) Z 24 Lect. Th, F, S See 2:00 Prerequ. Course 2, and Anatomy 10, 11, and 12, or their equivalents

2:00 — 3 *Field Zoology* Mj or DMj (Child) Lect. F, Laboratory or field work M, Tu 2 00-4.00 and Sat. morning For DMj 10 hrs. more. · 20 Laboratory Work Sec. a M, Tu 2 00-5 00; Sec. b Th, F 2 00-5.00 Lab. fee, $2.50

3:00 — 3 See 2 00 · 20 See 2 00

4:00 — 20 See 2 00 · 30 **Study of Birds** Mj or DMj (Strong) Lect. Tu, Th Lab. work and field work to be arranged Lab. fee, $2.50

Courses 16 and 43 see p. 8

XXIII. ANATOMY

2:00 — 1 **Dissection of Arm** Mj (Wilson and assistants) M, Tu, W, Th, F 2 00-5 00 Lab. fee, $5.00 · 2 **Dissection of Leg** Mj (Wilson and assistants) M, Tu, W, Th, F 2 00-5.00 Lab. fee, $5.00 · 3 **Dissection of Head** Mj (Wilson and assistants) M, Tu, W, Th, F 2 00-5.00 Lab. fee, $5.00

3:00 — 4 **Dissection of Thorax** ½Mj (Wilson and assistants) M, Tu, W, Th, F 2 00-5 00 Lab. fee, $2.50 · 5 **Dissection of Abdomen** ½Mj or Mj (Wilson and assistants) M, Tu, W, Th, F 2 00-5 00 Lab. fee, $5.00 per Mj

4:00 — 22 **Anatomy of Abdominal and Pelvic Viscera and Pelvic Floor** Mj (Wilson) M, Tu, W, Th, F 2 00-5 00 Lab. fee, $5.00 · 30 **Physiological Histology** Mj (Revell) Lect. M, F 2 00 𝔅 27 Lab.: M, F 3 00-5 00; W 2 00-5 00 Prerequ. 12 and 13 Lab. fee, $2.50 2:00

Courses 24, 34, 35, 40, 41, see p. 8

XX[IV]. PHYSIOLOGY

8:30 — 1 *Elementary Physiology* 1Mj (Lingle) Lect. M, Tu, W, 9 30 𝔓 16 Lab. Tu, W 2 00-4 00 𝔓 15 Lab. fee, $1.50 · 12 **Physiology of Blood, Circulation, and Respiration** Mj (Stewart, Guthrie, Carlson, Woelfel) Lect. M, T 9 30 𝔓 25 Rec. W 9 30 𝔓 25 Lab. Sec. a, …; Sec. b, Th, F 9 30-12 𝔓 11, 12, 41, 42; Th, F 2 00-5 00 𝔓 11, 12, 41, 42 Prerequ. … Physiological Chemistry Lab. fee, $2.50 · 21 **Pharmacology** 1+½Mj (A. P. Mathews, S. A. Matthews) Lect. M, Tu, W, Th, F, S 9 30 Lab. M, Tu, W 2 00-4 00 𝔓 35 Lab. fee $1.10 9:30

11:00 — 12 Sec. b (see 9 30)

12:00 — 12 Sec. b (see 9 30)

2:00 — 1 Lab. (see 9 30) · 12 Sec. a (see 9 30) · 21 Lab. (see 9 30)

3:00 — 1 Lab. (see 9 30) · 12 Sec. a (see 9 30) · 21 Lab. (see 9 30)

4:00 — 12 Sec. b (see 9 30)

Courses 18, 32, 42, 43, 44, see p. 8

XXV. NEUROLOGY

8:30 — 3 **Gross and Microscopic Anatomy of the Human Nervous System and Sense Organs** 1Mj (Donaldson, Hatai) Lect. Mo, T 8 30 ℜ 27 Rec. W 8 30 ℜ 22, 26 Lab.: M, Tu, W 11 00-1 00 ℜ 22, 26 Prerequ. Microscopic Anatomy Lab. fee, $2.50

11:00 — 3 Lab. (see 8:30)

12:00 — 3 Lab. (see 8:30)

Courses 8, 10, see p. 8

XXVI. PALÆONTOLOGY

11:00 — 3 Comparative Osteology (Williston) 𝔚 Lect. M, W Lab. Tu, Th, F 11 00-1:00

12:00 — 3 See 11:00

2:00 — Geologic Life Development (Weller) See XXI-18

XXVII. BOTANY

8:30 — 1 *Elementary Botany* (F. M. Lyon) 𝔅 12 Sec. a Daily 8 30-10.30 Sec. b See 2 00 Lab. fee, $1.50 · 11 Special Morphology of Fungi (Davis) 𝔅 31 Lec. See 9 30 Lab. Tu, Th 8 30-10 30

9:30 — 1 *Elementary Botany* (F. M. Lyon) Sec. a See 8 30 Sec. b See 2 00 · 11 Special Morphology of Fungi Mj or DMj (Davis) 𝔅 31 Lec. M, W; Conference Fri. Lab. See 8 30 Prerequ. Courses 4 and 7 Lab. fee $1.00

11:00 — 9 **General Morphology of Spermatophytes** (Davis) 𝔅 31 Lec. See 12 00 Lab. M, W, F 11:00-1 00

12:00 — 9 **General Morphology of Spermatophytes** (Davis) 𝔅 31 Lec. Tu, Th Lab. See 11.00 Prerequ. Course 8 Lab. fee, $1.50

2:00 — 1 *Elementary Botany* (F. M. Lyon) 𝔅 12 Sec. a See 8 30 Sec. b Daily 2 00-4 00 Lab. fee $2.50 · 4 **Methods in Plant Histology** Lec. See 3:00 (Land) 𝔅 24 Lab. Tu-F 2:00-4:00

3:00 — 1 *Elementary Botany* Sec. a See 8 30 (F. M. Lyon) Sec. b See 2 00 · 4 **Methods in Plant Histology** Lec. M (Land) 𝔅 23 Lab. See 2:00 Prerequ. Course 1 or its equivalent Lab. fee, $2.50 · 3 *Elementary Ecology* (Cowles and McCallum) Lec. Tu, Th 𝔅 23 Lab. M, W, F 4 00-6.00 𝔅 33 Prerequ. Course 1 or after consultation

4:00 — 6 **Field Botany** (Land) 𝔅 21 Field work. Daily 4.00-6.00 Prerequ. Course 1 or its equivalent · 34 Physiographic Ecology (Cowles and McCallum) Lec. M, F 𝔅 23 Lab. W 4 00-6 00 𝔅 33 Field work Sat. all day Prerequ. Course 1, Physiography and preferably Geographic Geology

5:00 — 3 *Elementary Ecology* See 4 00 (Cowles and McCallum) · 6 **Field Botany** (Land) See 4.00 · 34 Physiographic Ecology See 4 00 (Cowles and McCallum) · Courses 18, 19, 38, see p. 8 5:00

XXVIII. PATHOLOGY & BACTERIOLOGY

8:30 — 1A General Bacteriology for Non-Medical Students (Harris) Mj Hours to be arranged Lab. fee, $7.50

9:30 — 2B Gen'l Pathology and Pathological Histology Mj (Ricketts) Rec.: M, W, 4 00-5:00 Lab. Th, F, 10:30-1 00; F, 2 00-4 00 Prerequ. Histol., Phy. Chem., Path. 21 Lab. fee, $7.50 10:30

11:00 — 2B Lab. See 10:30

12:00 — 2B Lab. See 10:30

2:00 — 2B Lab. See 10:30

3:00 — 2B Lab. See 10:30

4:00 — 2B Rec. Tu, W

Courses 3, 4, 9, 10, 11, 14, see p. 8.

XXXI. PUBLIC SPEAKING

8:30 — 3 **Inductive Studies in Oratory** (Blanchard) ℜ 16

9:30 — 5 **Extemporaneous Speaking** (Blanchard) ℜ 16 · 1B *Required Course* Sec. a (men) (Gursuch) ℜ 11 M, Th; Sec. b (women) (Nelson) ℜ 11 Tu, F

11:00 — 1B *Required Course* Sec. c (men) (Gursuch) ℜ 11 M, Th; Sec. d (women) (Nelson) ℜ 11 Tu, F

12:00 — 1B *Required Course* Sec. e (men) (Gursuch) ℜ 14 M, Th; Sec. f (women) (Nelson) ℜ 14 Tu, F

2:00 — 9 **Vocal Interpretation of Shakspere** (Clark) ℜ 16 · 1B *Required Course* Sec. g (men) (Nelson) ℜ 14 M, Th; Sec. h (women) T, F (Gursuch) ℜ 11

3:00 — 8 **The Pedagogy of Oral Expression** (Clark) ℜ 16 · 1B Sec. i (men) (Nelson) ℜ 11 M, Th; Sec. j (women) (Gursuch) ℜ 11 Tu, F

ENGINEERING COURSES

3:00 — 2 Woodshop¹ (continued) 3 00-5 00 (Sehlin) 𝔐 𝔗 𝔅 151 · 3 Machineshop (continued) M, W, Th 3 00-5 00 (Drew) 𝔐 𝔗 𝔅 116

4:00 — 2 Woodshop¹ (continued) 3 00-5 00 (Sehlin) 𝔐 𝔗 𝔅 151 · 3 Machineshop (continued) M, W, Th 3 00-5 00 (Drew) 𝔐 𝔗 𝔅 140

¹May be taken as a Major or Minor.

XXXII. PHYSICAL CULTURE

For Junior and Senior Colleges — A. MEN; B. WOMEN (Class work; Elective)

8:30 — A: A physical examination is required of each undergraduate student as early in the year as the appointment can be made. All regular gymnasium classes are divided into squads which are assigned to the Natatorium for instruction in elementary and advanced swimming. — B, class work: Intermediate (Edholm) 8 30

9:30 — B, class work: Elementary (Dudley) 9 30 — B, elective: Gymnastic Dancing P 9 30

11:00 — A: 18 Graded Gymnastics and Group Games (Sutlahn) 11:15 — B, class work: Advanced (Edholm) 11 15

12:00 — A: 37 Baseball (Stagg and Harper) Candidates for University teams — B, class work: Intermediate (Livermore) 12:00 — B, elective: Basket Ball Tu, F; Hockey M, W 12.00

2:00 — A: 12 Basket Ball, Intermediate (Childs) Limited to men with special coaching. Consult instructor before registering. Squad limit, 10 men · Swimming, Intermediate (Knudson) Consult instructor before registering 3:15 — B, class work: Elementary (Edholm) 2:00 — B, elective: Baseball F 1 30-3 30; Basket Ball beginners W, F; Swimming M 2 00

3:00 — A: 24 Water Polo (Knudson) Candidates for University team 4 00 · 14 Gymnastics, Intermediate (Childs) Consult instructor before registering 4 15 — B, class work: Elementary (Edholm) 3:00 — B, elective: Hockey M, W; Gymnasium Dancing W; Swimming M 3:00

4:00 — A: 40 Track and Field (Stagg and Maloney) Candidates for University team · 38 Baseball (Stagg and Harper) Candidates for Freshman team 4 30 · 31 Football (Speik) 4:45 · 8 Graded Gymnastics (Childs) 5:15 — B, class work: Elementary (Livermore) 4 00; Intermediate (Livermore) 5:00; Advanced Apparatus and Indian Club Work Th 7:45 — B, elective: Gymnasium Dancing W; Basket Ball Tu, F; Swimming M 4:00; Basket Ball Tu 7:45; Arrangements for Tennis, Golf, and Rowing may be made in the Gymnasium.

II. COURSES OFFERED BY THE FACULTY OF THE DIVINITY SCHOOL

REVISED FOR THE SPRING QUARTER, 1905

	XLI OLD TESTAMENT LITERATURE AND INTERPRETATION	XLII NEW TESTAMENT LITERATURE AND INTERPRETATION	XLIII. BIBLICAL THEOLOGY	XLIV. SYSTEMATIC THEOLOGY	XLV. CHURCH HISTORY	XLVI. HOMILETICS	XXXI. PUBLIC SPEAKING	MUSIC
7:30	28 The Minor Prophets Mj (W. R. Harper) 26							
8:30	32 The Psalms Mj (W. R. Harper) 26 72 Hebrew Philosophy and Ethics ¼ or ½Mj Su (W. R. Harper) 26 140 Biblical Aramaic Mj (R. F. Harper) 23 222 Coptic Language Mj (Breasted) 24	4 Rapid Translation and Interpretation Mj (Goodspeed) 25 15 General Survey of the New Testament Literature Mj (Burton) 28 *Required*			63B Christian Missions in China and Japan Mj (Parker) 21			
9:30	81 The Priestly Element Mj (W. R. Harper) 26 *Required* 122 Mishnah Mj (Hirsch) 21 144 Beginning Syriac Mj. (R. F. Harper) 23 214 Late Egyptian Mj (Breasted) 24	53 The Apostolic Fathers Mj (Goodspeed) 25	B71 Content of the Gospel, II Mj. (Mathews) 28	23C Content of of the Gospel, II Mj (Mathews) 28 *Required*	26B The German Church in Recent Times Mj (Johnson) 36			
11:00	128 Jerusalem Talmud M 2T (Hirsch) 21 132 The Civil and Criminal Legislation of the Talmud M 1T (Hirsch) 21 150 Assyrian Language Mj (R. F. Harper) 23 248 Beginning Ethiopic Mj (E. J. Goodspeed) 25	19 The Life of Christ Mj (Mathews) 28		42 System of Dogmatics DMj (Foster) 26	18 The German Reformat'n Mj (Johnson) 36 *Required*			
12:00	130 Halakkic Themes Mj (Hirsch) 21 162 Epistolary Literature Mj (R. F. Harper) 23			42 System of Dogmatics DMj (Foster) 26			23 Bible and Hymn Reading Mj (Clark) 17	
2:00	5 Deuteronomy: Critical Translation and a Study of Syntax Mj (Smith) 25 200 Life of Mohammed Mj (Jewett) 36				3B The Alexandrian School Mj (Gates) 21	2 Homiletics Mj (Judson) 26 *Required*		
3:00	182 Selected Suras of the Quran Mj (Jewett) 36					6 Pastoral Duties Mj (Judson) 26 *Required*		Hour to be Arranged
4:00	258 Seminar: III. Comparative Semitic Syntax Tu 4:00–6:00 (W. R. Harper) 26 194 History of the Crusades Mj (Jewett) 36 260 Seminar: Comparative Semitic Lexicography Mj. (R. F. Harper) H 23	66 Theology of the Second Group of the Epistles of Paul T, F 4:00–6:00 Mj (Burton) 28	B66 Theology of the Second Group of the Epistles of Paul. Tu, F 4:00–6:00 Mj (Burton) 28					1 Sight-Reading and Voice Training *Required* First-year men, 1 hr. week (Jones) 17

III. THE LAW SCHOOL

Revised for the Spring Quarter, 1905

	FIRST YEAR	SECOND AND THIRD YEARS
8:30	8:00	41 Bills and Notes (Mack) Tu, Th, F
	60 Criminal Law (Bigelow) Tu, W, Th, F	40 Sales (Mechem) M, W (see 9:30) 90 Practice I (Tenney) S
9:30		40 Sales (Mechem) Tu, F (see 8:30) 84 Evidence (Whittier) M, W, Th (see 12:00) 91 Practice II (Tenney) S
11:00	4 Agency (Mechem) M, Tu, W, F	70 Conflict of Laws (Bigelow) Tu, W, Th, F
12:00		21 Equity II (Hall) M, Tu, W, Th 84 Evidence (Whittier) F (see 9:30
2:00	82 Damages (Whittier) M, Tu, W, Th	82 Damages (Whittier) M, Tu, W, Th
3:00		64 Federal Constitutional Law (Hall) M, Tu, W, Th
4:00		43 Public Service Companies (Eckhart) M, W

IV. THE COLLEGE OF EDUCATION

Revised for the Spring Quarter, 1905

8:30

121 Food and its Preparation — Lab., M 2:00–4:00 (Norton) 388
169 Design — M, Tu, Th, F (Cushman) 400
184 Woodwork for Special Teachers — 2 hrs (Langley) 404

9:30

10 The Aim and Equipment of the High School Teacher (Locke) 213
34 Local History and Civics (Rice) 204
(Minor of this required for Course A)
55 Technique of Oral and Dramatic Expression: Gesture, Voice, Speech (Fleming) 214
Prerequ.: 51 and Course in Vocal Music
125 Chemistry of Foods — Lect., M, W; Lab., Tu, Th 2:00–5:00 (Norton) 388
Prerequ.: General Chemistry and Course 122
142C History of Music — ½Mj (G. Smith) 410
144C Harmony — ½Mj (G. Smith) 410
0145C Music in Kindergarten and Primary Grades — Tu, F (E. Smith) 408
Non-credit
184 See 8:30

11:00

3 Educational Psychology (Moore) 212
26 Topics in Secondary Education (Butler) 213
35 Teachers' Course in Ancient History (Rice) 204
53 Interpretation of Children's Stories (Fleming) 214
133 Pedagogy of Secondary Mathematics (Myers) 110
143C Study and Criticism of School Music. Advanced — Tu, F ½Mj (E. Smith) 408
146C Theory of Music — ½Mj (G. Smith) 410
142C History of Music — ½Mj (G. Smith) 410
167 Elementary Drawing and Painting — 2 hrs (Cushman) 400
Prerequ: 165, 166
85 Relation of Natural Science to Moral Culture (Jackman) 309
12 Theory and Practice of the Kindergarten — Second Term M (Payne)

12:00

27 National School Systems: England, Germany, and the United States (Butler) 213
82 Pedagogical Aspects of Field and Laboratory Work in Nature Study (Meyers) 309
135 Elements of Surveying and Astronomy (Myers) 110
Prerequ.: Plane Trigonometry. Limited to 16. Four hours of field work required
141C Study and Criticism of School Music Elementary — Tu, F ½Mj (E. Smith) 408
167 See 11:00

2:00

189 History of Furniture from Louis XIII to Georgian Period — 2 hrs (Langley) 404
81 Field Work. Nature Study — ½Mj (Meyers) 309
To be taken with 101A
101A Geography and Field Work — ½Mj (Myers) 309
To be taken with 81
0147C General Course in Singing — Tu, F (E. Smith) 408
Non-credit
0151 Elementary Clay Modeling — W 3 hrs (Hollister) 493
Non-credit
0162 Elementary Drawing and Painting — W 3 hrs (Cushman) 400
Non-credit
0172 Textiles — W 3 hrs (Mitchell) 492
Non-credit
171 Textiles — M, Tu, Th, F 2 hrs (Mitchell) 492
121 See 8:30. Lab., M 2 hrs
125 See 9:30. Lab., Tu, Th 3 hrs

3:00

30 Administration of Public Education in the United States — Seminar Tu (Locke) 202
208 The Organization of Gymnastics — Theory Tu, W; Practice M, Th ½Mj (Kroh) Gym
0208 The Organization of Gymnastics — M, Th (Kroh) Gym
Practice only. Non-credit
121 See 2:00. M
125 See 2:00. Tu, Th
0151 See 2:00. W
0162 See 2:00. W
171 See 2:00.
0172 See 2:00. W

4:00

203 Theory and Practice of School Gymnastics — Theory Tu, W; Practice M, Th ½Mj (Kroh) Gym
0203 Practice (only) of School Gymnastics — M, Th (Kroh) Gym
Non-credit
30 See 3:00. Tu
125 See 2:00. Tu, Th
0151 See 2:00. W
0162 See 2:00. W
0172 See 2:00. W

Hours to be Arranged

126 Special Problems in Food Chemistry. Individual Problems (Norton) 388
Prerequ.: Course 125

LABORATORY, RESEARCH, AND SEMINAR COURSES

In Which the Hours are to be Arranged with the Instructors

I. PHILOSOPHY

29A Reading of a Standard German or French Author (Tufts)
94 Special Research (the Instructors of the Department)

1A. PSYCHOLOGY

15 Psychological Research (Angell)

II. POLITICAL ECONOMY

9 Law of Insurance (Bigelow)

XIII. ROMANCE

48 Old French Dialects (Jenkins)
108 Romance Seminar (Pietsch)

XVII. MATHEMATICS

174 Seminar B: Calculus of Variations (Bolza)
At times to be arranged

XIX. PHYSICS

32 Experimental Physics (Michelson and Mann)
Prerequ.: Physics 16, 17, and 18
33 Research Course. DMj (Michelson and Mann)

XX. CHEMISTRY

9 Quantitative Analysis (Barnard). Lab. fee, $5.00 ℞ 31
10 Advanced Qualitative Analysis (Holmes). Lab. fee $5.00 ℞ 42
13 A, C, D, E, G, H Special Methods in Quantitative Analysis. Each 1 M (Barnard). Lab. fee, $2.50 per M ℞ 31
Prerequ.: Quantitative Analysis 8 and 9
20, 21, 22 Organic Preparations (Nef). Lab. fee, $5.00 ℞ 21
25, 26, 27 Inorganic Preparations. 1T (Jones). Lab. fee, $5.00 ℞ 21
31, 32 Advanced Physical Chemistry (McCoy). Lab. fee, $5.00 ℞ 14
33A Research in Organic Chemistry (Nef). Lab. fee, $5.00 ℞ 24
33B Research in General Chemistry (Smith). Lab. fee, $5.00 ℞ 24
33C Research in Organic and Physico-Organic Chemistry (Stieglitz). Lab. fee, $5.00 ℞ 24
33D Research in Physical Chemistry (McCoy). Lab. fee, $5.00 ℞ 24
43 Club Meetings (Instructors of the Department)

XXI. GEOLOGY

25 Special Palaeontologic Geology. Mj or DMj (Weller)
35 Special Petrology. Mj or DMj (Iddings)
45 Special Geology (Chamberlin and Salisbury)

XXIA. GEOGRAPHY

32 Research Course. Mj or DMj (Salisbury and Goode)

XXII. ZOÖLOGY

16 Cytology. Mj or DMj (Child)
43 Zoölogical Problems. Research. DMj (Whitman, Lillie, Child, and Tower). Lab. fee, $2.50

XXIII. ANATOMY

24 Anatomy of the Lymphatic System. Mj (Harvey). Lab. fee, $2.50
34 Advanced Histology and Cytology. Mj (Cohoe). Lab. fee, $2.50
Prerequ.: Anatomy 10 and 11
35 Mammalian Osteology. Mj (Harvey). Lab. fee, $2.50
40 Advanced Anatomy. 1 to 3 Mjs (Barker and Bensley). Lab. fee, $2.50 per Mj
41 Research Course. 1 to 4 Mjs (Barker and Bensley). Lab. fee, $2.50 per Mj

XXIV. PHYSIOLOGY

16 General and Comparative Physiology. Mj (Stewart and Guthrie). Lab. fee, $2.50
Prerequ.: A good knowledge of Chemistry and Biology
32 Animal Electricity. Mj (Stewart and Guthrie). Lab. fee, $2.50
42 Research in Physiological Chemistry. Mj or DMj (Mathews). Lab. fee, $2.50 per Mj
43 Research in Pharmacology. Mj or DMj (Mathews). Lab. fee, $2.50 per Mj
44 Research in Physiology. Mj or DMj (Stewart). Lab. fee. $2.50 per Mj

XXV. NEUROLOGY

6 Seminar. Mj (Donaldson). Admission granted after consultation with the Head of the Department. No Lab. fee.
10 Research Course. 1 Mj or more (Donaldson). Lab. fee, $2.50.
Prerequ.: A knowledge of the main facts of Neurology

XXVII. BOTANY

18 Advanced Morphology. Mj or DMj (Coulter and Davis). Lab. fee, $2.50
Prerequ.: The course in Special Morphology of group chosen
19 Research in Morphology. Mj or DMj (Coulter and Davis). Lab. fee, $2.50
39 Research in Ecology. Mj or DMj (Cowles)

XXVIII. PATHOLOGY AND BACTERIOLOGY

3 Lectures in General Pathology (supplementary to 2B). ½Mj (Ricketts). No Lab. fee
Hours to be arranged
4 Advanced Bacteriology. Mj. (Jordan and Harris). Lab. fee, $2.50
9 Advanced Pathology. Mj or DMj (Ricketts). Lab. fee, $2.50 per Mj
Prerequ.: General Pathology
10 Research Course in Pathology. Mj or DMj (Ricketts). Lab. fee, $2.50 per Mj
11 Research Course in Bacteriology. Mj or DMj (Jordan and Harris). Lab. fee, $2.50 per Mj
14 Bacteriology of Autopsies. Mj. (Ricketts). Lab. fee, $2.50

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Francis W. Shepardson
Dean, Senior College

The University of Chicago
FOUNDED BY JOHN D. ROCKEFELLER

QUARTERLY ANNOUNCEMENTS

THE SUMMER QUARTER, 1905

REVISED AND CORRECTED STATEMENT

Students Should Register From These Announcements, And Not From The Circular Issued in February (See Page 8)

EXPLANATIONS AND NOTES

I. MATRICULATION AND REGISTRATION

1. **Time of Registration.**
   a) *Students in residence* during the Summer Quarter will register for the Summer Quarter during the week beginning Monday, June 12, 1905.
   b) Students entering the University *for the first time*, or resuming work after an absence of a Quarter, will register for the Summer Quarter on or before Saturday, June 17, 1905.
2. **Order of Registration.**—The usual registration cards will be filled with names of Departments and numbers of courses selected, and will be left with the clerk of the Dean with whom registration is effected.
3. **Waiting List.**—Students' names are enrolled in classes only when tuition has been paid. In the case of classes for which there is a waiting list, places will be reserved for three days for those who have been registered. If any students for such a course have not paid their tuition at the close of the third day, the place will not be reserved longer, but will be thrown open to students upon the waiting list who have paid their tuition.
4. **Changes in Registration.**—Registration being once effected, change of the same, unless caused by the University, is permitted only (1) with the consent of the Dean, and (2) on payment of a fee of *one dollar* for each instance of change.
5. **Abbreviations.** — The following abbreviations are used—
   a) **For Buildings:**
   Ba = Anatomy Building.
   Bb = Botany Building.
   Bl = Emmons Blaine Hall.
   C = Cobb Lecture Hall.
   E = Ellis Hall.
   G = Gymnasium Building.
   Gr = Green Hall.
   H = Haskell Museum.
   K = Kent Chemical Laboratory.
   L = Law Building.
   Lx = Lexington Hall.
   M T B = Manual Training Building.
   P = Physiology Building.
   Psy Lab = Psychological Laboratory, 5704 Ellis av.
   R = Ryerson Physical Laboratory.
   W = Walker Museum.
   Y = Yerkes Observatory.
   Z = Zoölogy Building.
   b) **For Rooms:** A, B, C, and D refer to the floors in Cobb Lecture Hall, beginning with the ground floor as A. The rooms are numbered, e.g., C 2 D = Cobb Hall, Room No. 2, 4th floor.

II. FEES

ALL FEES ARE PAYABLE TO THE REGISTRAR, COBB LECTURE HALL, ROOM 7 A.

SPECIAL NOTICE.—*All tuition and laboratory fees are due and payable on or before the* FIRST *day of* EACH QUARTER. *Delay on the part of the student may be avoided by sending a* CHECK *for the amount due to the Registrar, who will return a receipt at once.*

III. FIRST DIVISION MEETING

All undergraduate students, except those matriculating for their first Quarter's residence, are required to attend the First Division Meetings, which will be held for the Summer Quarter, 1905, on Saturday, June 17, at 12:00 M.

CHICAGO
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1905

	I. PHILOSOPHY	I A. PSYCHOLOGY	II. POLITICAL ECONOMY	III. POLITICAL SCIENCE	IV. HISTORY	V. HISTORY OF ART	VI. SOCIOLOGY AND ANTHROPOLOGY	VI A. HOUSEHOLD ADMINISTRATION	VII. COMP. RELIG.	VIII. SEMITIC LANGUAGES AND LITERATURES
8:00	11 Plato M 1T (Tufts and Castro) 𝔏 (west) 24 Schopenhauer M 2T (Mead) 𝔏 (west) 60 The Beginnings of Educational Theory M 1T (Locke) 𝔐 213 72 National School Systems M 2T (Butler) 𝔐 213	5 Outline of Experimental Psychology (Fite) Psy Lab Prerequ.: Introductory Psychology Development of Mind in the Race (Thomas) See VI-27	3 *Economic Social History* (Morris) C 10 D 23 Tariff, Reciprocity, and Shipping (Cummings) C 9 D	16 The Development of Civil Liberty M 2T (Judson) C 9 C 21 The Process of Legislation and Parliamentary Law M 1T (Judson) C 9 C	1 *The Mediæval Period*[1] (Thatcher) Especially for teachers C 6 A 43 The French Reformation (Thompson) C 8 C	5A Fifteenth Century Florentine Painting[1] M 1T (Zug) C 9 B 5B Sixteenth Century Florentine Painting[1] M 2T (Zug) C 9 B				1 Hebrew Language DMj or 2 DM (Price and Smith) Sec 11:30 Ib 21 69 History of the Priest System ¼ or ½ M Su 8:30 (W. R. Harper) Ib 1 210 Beginner's Hieroglyphic. Mj (Breasted) Ib 24
9:00	70 The Public High School in America M 1T (Locke) 𝔐 213 71 Topics in Secondary Education M 2T (Butler) 𝔐 213 Psychology and Philosophy M 2T (Angell) See 1A-35	1 *Psychology*[1] (Fite) Ib 17 36 Advanced Psychology M 1T (Mead) 𝔏 (west) 37 Advanced Psychology M 2T (Angell) 𝔏 (west)	1 *Principles of Political Economy*[1] (Davenport) C 16 C 52 Banking (Morris) C 10 D	41 International Law 41A The Law of Peace M 1T (Judson) C 9 C 41B The Law of War and Neutrality M 2T (Judson) C 9 C 37 Torts DM 1T (Hall) 𝔏 An additional fee of $5.00 for this Course 32 Federal Constitutional Law DM 2T (McClain) 𝔏	2 *The Modern Period*[1] (Thompson) C 6 A 7 The Dark Ages (Thatcher) C 8 C 96 The History of British India. (Dennis) C 7 C	7 Modern French Art[2] M 1T (Zug) C 9 B 8 Dutch Painting[2] M 2T (Zug) C 9 B		21 The Legal and Economic Position of Women (Breckinridge) C 9 A		12 Advanced Hebrew Grammar: Etymology M 2T (Price) Ib 21 13 Advanced Hebrew Grammar: Syntax M 1T (Price) Ib 21 226 History of Egypt Mj (Breasted) Ib 24
10:30	5A Hist. of Mod. Philosophy, Descartes to Berkeley M 1T (Castro) 𝔏 (north) 5B Hist. of Mod. Philosophy, Hume to Kant M 2 T (Ames) 𝔏 (north) 81 Methodology and the Place of Illustration in Teaching M 2T (Adams) 𝔐 213	35 Psychological Phases of Philosophical Problems M 2T (Angell) 𝔏 (west)	46 Trades Unions and the Labor Movement (Cummings) C 9 D		12A Europe from 1789-1815 (Dennis) C 7 C 14 Constitutional and Political History of England from Edward I to Revolution 1688 (Terry) C 16 C		15 The Pueblo Indians of New Mexico (Starr) 𝔚𝔄 26 Social Origins (Thomas) C 8 C		29 The Doctrine of the work of Christ M 1T (Foster) Ib 26 43 The Naturalistic and the Religious View of the World M 2T (Foster) Ib 26	22 Jeremiah Mj (Price) Ib 21 185 Advanced Arabic Mj (Breasted) Ib 24
11:30	2 *Ethics*[1] (Castro and Moore) 𝔏 (north) 40 Evolution of Morality M 1T (Tufts) 𝔏 (west) 80 Psychological Basis of Education M 2T (Adams) 𝔐 213 85 Philosophy of Education M 1T (Mead) 𝔐 213	11 A Comparative Psychology M 2T (Mead) 𝔏 (west) 22 A Psychology of Religion M 2T (Ames) 𝔏 (north)	40 Value (Davenport) C 17 C		52 Establishment of English Constitutional Monarchy (Terry) C 16 C		1 General Anthropology (Starr) 𝔚𝔄 27 Mental Development in the Race (Thomas) C 8 C		42 System of Dogmatics (Foster) Ib 26	1 Hebrew Language DMj or 2 DM (Price and Smith) See 8:00 Ib 21 64 The Psalter (in English) M 1T (Willett) Ib 28 65 The Book of Job (in English) M 2T (Willett) Ib 28
1:30		14 A Genetic Psychology M 1T (MacMillan) 𝔐 213	5 *Commercial Geography for Teachers* (Goode) C 8 C	35 Administrative Law (Freund) 𝔏	80 Teachers' Course in American History 1760-1865 M 2T (Sparks) C 7 C		101 Social Psychology M 2T (Ross) C 16 C	20 The State in Relation to the Household (Breckinridge) C 10 C		42 Hebrew Philosophy and Ethics Mj (W. R. Harper) Ib 21 55 The Doctrine of the Future Life in the Old Testament Mj Sem. M 1:30-3:30 (W. R. Harper Ib 26
2:30	17 Spinoza M 1T (Tufts) 𝔏 (north) 26 Herbert Spencer's Philosophy M 2T (Moore) 𝔏 (west)	14 B Child Study M 1T (MacMillan) 𝔐 213 Prerequ.: Course in General Psychology.	48 The Legal Status of Labor (Breckinridge) M 1T C 10 C		87B The Origin of the Thirteen States M 2T (Sparks) C 7 C		102 The Social Processes M 2T (Ross) C 16 C		7 The Science of Religion (Buckley) Ib 26	80 Beginnings of Old Testament Literature and History *Required* Ib 26 Mj (W. R. Harper) 3 74 Biblical Apocalyptic Mj (Willett) Ib 21
3:30	[1]Prerequisite: 12 Majors of College Work. Required of all students before taking a Bachelor's degree, except as stated in the *Undergraduate Handbook*, § 13, No. 7.	[1]Prerequisite: 12 Majors of College Work. Required of all students before taking a Bachelor's degree, except as stated in the *Undergraduate Handbook*, § 13, No. 7.	[1]Prerequisite for all courses in the department.		[1]Required of all students as stated in the *Undergraduate Handbook*, § 13, No. 7.	[1]Occasional visits to the Art Institute will be required. [2]Weekly visits to the Art Institute will be required.		Course 50 see p. 8		114 From Solomon to Nehemiah Mj (Willett) Ib 21 150 Assyrian Language Mj (Smith) Ib 28

I. COURSES OFFERED BY THE FACULTIES OF ARTS, LITERATURE, AND SCIENCE—REVISED FOR SUMMER QUARTER, 1905

NOTE—Mj indicates Major (=1 exercise daily for a quarter), M Minor (=1 exercise daily for a term, six weeks). DMj and DM, Double Major and Double Minor respectively (=2 exercises daily for the same periods). All courses are Major unless otherwise indicated. Junior College Courses are printed in *italics*, Senior College Courses in **bold face type**, Graduate Courses in Roman.

Hour	V. Comp. Relig.	VIII. Semitic Languages and Literatures	X. Biblical and Patristic Greek	X. Sanskrit and Comp. Philology	XI. Greek	XII. Latin
8:00		1 Hebrew Language DMj or 2 DM (Price and Smith) See 11 30 H 21 69 History of the Priestly Sect ... M (W. R. Harper) H 21 210 Egyptian Hieroglyphics Mj (Breasted) H 21	12 Social and Religious History of Palestine in New Testament Times (Mathews) H 25 M 2T		*0 Elementary Greek* (Owen) C 15 B 47 Greek Inscriptions (Capps) C 2 B	18 Tacitus M 2T (Laing) C 8 B 20 Plautus M 1T (Abbott) C 12 B
9:00		12 Advanced Hebrew Grammar (First ...) M 2T (Price) H 21 13 Advanced Hebrew Grammar Syntax M 1T (...) H 21 226 History of Egypt Mj (Breasted) H 21	25A The Gospel of Matthew Mj (Burton) H 25		6 Lysias, Selected Orations Composition (Capps) C 2 B	*6 Horace, Odes* (Ballou) C 11 B 51 Research Course in Roman Politics M 1T (Abbott) C 12 B 53 Roman Religion M 2T (Laing) C 5 B
10:30	29 The Doctrine of the work of Christ M 1T (Foster) H 25 43 The Naturalistic and the Religious View of the World M 2T (Foster) H 25	22 Jeremiah Mj (Price) H 21 185 Advanced Arabic Mj (Breasted) H 21	15 General Survey of the New Testament Literature Mj or M each term (Burton) H 25 *Required*	1 General Introduction to the Study of Indo-European Philology M 1T (Buck) C 12 B	*2 Plato, Apology and Crito, Xenophon, Memorabilia, Exercises in the Writing of Greek* (Owen) C 2 B	*1A Cicero, Orations* (Ballou) C 11 B **9 Ovid, Selections from the Epistulae, Amores, Fasti, Metamorphoses, and Tristia** (Miller) C 8 B 44 Martial (Chandler) C 15 B
11:30	42 System of Dogmatics (Foster) H 25	1 Hebrew Language DMj or 2 DM (Price and Smith) See 8 00 H 21 64 The Psalms in English M 1T (Willett) H 25 65 The Book of Job in English M 2T (Willett) H 25	54 Readings in Christian Literature Bearing on New Testament Books (Goodspeed) M 1T H 25	4 Historical Latin Grammar M 1T (Buck) C 12 B	*3 Homer, Odyssey* (Benson) C 10 B 15 Plato, Gorgias M 2T (Burgess) C 2 B 25 Demosthenes M 1T (Shorey) C 2 B	*4 Cicero, De Senectute, Terence, Phormio, Translation at Sight and at Hearing* (Ballou) C 11 B 43 Teachers' Training Course (Miller) C 8 B 28 Tacitus and Suetonius (Chandler) C 15 B Historical Latin Grammar (Buck) See X 4
1:30		42 Hebrew Philosophy and Ethics Mj (W. R. Harper) H 21 55 The Doctrine of the Future Life in the Old Testament Mj Sem. M 1:30-3:30 (W. R. Harper) H 25	1 New Testament Greek *Required* Mj (Votaw) H 25 4 Rapid Translation and Interpretation (Goodspeed) M 1T H 25	10 Elementary Sanskrit (Meyer) C 12 B	16A Euripides, Medea M 2T (Burgess) C 2 B 23 Sophocles M 1T (Shorey) C 2 B	29 Juvenal (Bechtel) C 11 C
2:30	7 The Science of Religion (Buckley) H 25	80 Beginnings of Old Testament Literature and History *Required* Mj (W. R. Harper) H 25 74 Biblical Apocalyptic Mj (Willett) H 21	32 Paul's Corinthian Epistles (Votaw) Mj or DM H 25 38B Epistles of John (Goodspeed) M 1T H 25	12 Introduction to Vedic Study (Meyer) C 12 B		*5 Livy, Books XXI and XXII and selections from Books I and II, Translation at Sight and at Hearing* (Bechtel) C 15 B 36 Quintilian, Book X (Chandler) C 11 C
3:30		114 From Solomon to Nehemiah Mj (Willett) H 21 150 Assyrian Language Mj (Smith) H 25			[1]Admission credit ... will be given to candidates for the degree of A.B. who complete this course and one Major College credit to candidates for other degrees. [2]Required of all students in the College of Arts	[1], [2], and [4] required of all candidates for the A.B. degree

Hour	XIII. Romance	Alliance Française	XIV. German	XV. English
8:00	*1 Elementary French*[1] Sec. a (men) (Nell) E 11; Sec. b (women) (Williamson) E 11 *4 Advanced French* (David) C 15 D 31A French Phonetics M 1T (Jenkins) C 13	A & B *Elementary French* DMj (Ingres and Loiseau) C 11 B See 1 30 G Nineteenth Century Literature (Patel) C 11 B	*1 Elementary German* (von Noé) C 10 B *2 Elementary German* (Goettsch) C 11 B *3 Intermediate German* (Arnoldson) C 10 26 German Poets of Patriotism during the War of Liberation (Cutting) C 11 B 170 English Influences on German Literature in the 18th Century M 1T (von Klenze) C 8 B	1B *Rhetoric and English Composition for Teachers* M 1T (Flint) C 8 D 37 Chaucer (Manly) C 12 C 79 Tennyson and Browning M 1T (Reynolds) C 11 English Influences on German Literature in the Eighteenth Century (von Klenze) C 8 B See XIV 170
9:00	*2 Elementary French*[1] (David) C 15 D *3 Intermediate French*[1] Sec. a (men) (Williamson) E 11 *5 Modern French Readings I* Mj or M each Term (Nell) C 11 B 31B Romance Versification M 1T (Jenkins) C 13	C *Intermediate French* (Le Cat) C 15 B F General View of French Literature (Ingres) H 5	*4 Elementary German Composition* (Arnoldson) C 10 *5 Modern Prose Reading* Mj or M each Term (Goettsch) C 11 *6 German Plays* Mj or M each Term (von Noé) C 10 B 27 Goethe's Hermann und Dorothea and Schiller's Ballads (Allen) C 10 60 Glimpses of German Life and Culture M 1T (von Klenze) C 8 B	*1A Rhetoric and English Composition*[1] (Huston) C 9 B 5 English Composition Adv. course (Lovett) C 17 7 Rhetoric and Composition for Teachers M 1T (Flint) C 8 D 51 The Beginnings of the Renaissance and the Reformation in England (Manly) C 12
10:30	*3 Intermediate French* Sec. b (women) (Williamson) E 16 *9 Elementary Training Course in French*[2] Mj or M each Term (David) C 15 D 24 Le Roman Romantique (Foulet) C 13 B	L Pedagogy in French Literature (Ingres) C 11 D	11 Aufsätze und Stilübungen Mj (or M each Term) (Kern) C 11 B 74 Elementary Dano-Norwegian (Arnoldson) C 10 163A The Older German Volkslied M 1T (Allen) C 10 B 163B The Renaissance of the German Volkslied in the 18th and 19th Centuries M 2T (Allen) C 10 B 102 History of the German Language (Kern) C 11 B	80 English Literature for Teachers M 1T (Reynolds) Chapel *3 English Comp.*[2] (Linn) C 8 D 33 English Grammar for Teachers (Tolman) C 16 42A The History of Elizabethan Literature M 2T (Schelling) C 12 47 English Literature, 1798-1832 (Lovett) C 17
11:30	11 Théâtre de Molière (Foulet) C 13 B 59 Dante, L'Inferno (Buchanan) C 15 D			4 English Composition (Linn) C 8 D 41 Introduction to Shakspere (Tolman) C 16 130 The Pre-Raphaelite Movement in English Literature M 1T (MacClintock) C 10
1:30	*7 Practice in Speaking and Writing French* Mj or M each Term (Nell) C 16 D	A & B See 8 00 H Eighteenth Century Literature (Patel) C 9 B J French Institutions (Babut) C 15	103 Gothic (Wood) C 11 B 263 Seminar, Lessing's Theory of the Drama Th 1:30-3:30 (Cutting) C 8 B	21 Old English (Blackburn) C 11
2:30	71 Elementary Spanish (Buchanan) C 15 D 48 Old French Seminar (Jenkins) C 13 B F 3 30-5 30 79 Classic Spanish Drama (Buchanan) C 15 D	0 *Advanced French* (Patel) C 9 B E *Practice in Speaking and Writing French* (Le Cat) C 17 C K French History (Babut) C 15 D	104 Old High German (Wood) C 11 B	25 Old English, Advanced (Blackburn) C 13 85A The History of the Elizabethan Drama M 2T (Schelling) C 12 102A English Literary Criticism of the Nineteenth Century M 1T (MacClintock) C 9 C
3:30	[1]Courses 1, 2, 3, and 6 should be taken in successive quarters and in that order. Course 4 is an elective in the ... Students beginning French in the University will take Courses 1 and 2. Those who receive credit for one unit of French on admission will begin with Course 3. Those who receive credit for two units will begin with Course 4. Those who receive credit for three units will consult the departmental examiners before registering. [2]This course is recommended to those desiring to teach Elementary French			[1]Required of all Junior College students. Course must be taken immediately after entrance to the University. [2]Either 1C, 1B or 3 is required of all Junior College students. 1B is a course for Teachers

Hour	XVII. Mathematics	XVIII. Astronomy & Astrophys.	XIX. Physics	XX. Chemistry
8:00	*6 Analytic Geometry* (Ide) R 5 154 Theories of Finite Bodies (Lunn) R 36 7:00 *4 Trigonometry* (Slaught) R ... *10 Review of Trigonometry and College Algebra by the Laboratory Method* (Dickson) 8 00-10 00 R 19 17 Integral Calculus (Bliss) R 36 Tides and Tidal Evolution XVIII (Moulton) R ...	3 *Descriptive Astronomy* (Moulton) R 7:00 1 The Development of Astronomy Considered from a Historical Standpoint (Laves) R	1A *Mechanics, Molecular Physics, and Heat* Mj (or M each Term) (Hale) R 8 00-10 00 2 *Electricity and Light* Mj (or M each Term) (Millikan) R 8 00-10 00	17 General Organic Chemistry Mj or M 1T (Hessler) K 22 Prereq. General Chemistry 28A Elementary Physical Chemistry ½ Mj 1T (Stieglitz) Lect. M, Th 2T (McCoy) K 22 Prereq. Physics III and Qual. Anal. or equivalents 29A Chemical Dynamics and Electrochemistry M 2T (McCoy) Lect. Tu, W, F K 22 9:00
9:00	10 See 8 00 *15 Infinitesimal Calculus* (Lunn) R 5 36 Advanced Calculus Differential Equations (Slaught) R 36 171 General Seminar (Bliss and Lunn) R 36 Sat 8 00-10 00	28 Tides and Tidal Evolution (Moulton) R	1A See 8 00 2 See 8 00 3 *Lecture Demonstration Course* Mj (Mann) R	1[2] *General Inorganic Chemistry* DM 1T (Jones) Lect. 5 hrs. a week Lab. See 1 30 R 20 Lab. fee, $5.00 1A *Lectures of Course 1* M 1T (Jones) K 20 Open only to those taking other laboratory work No lab. fee 1B *General Inorganic Chemistry* DM 1T (Jones) Lect. same as in Course 1 Lab. more advanced K 20 Lab. fee $5.00 See 1 30 Prereq. Preparatory Physics and Chemistry or equivalents
10:30	*5 College Algebra* (Young) R 36 121 Functions of Complex Variable (Maschke) R 36 132 Pedagogy of Elementary School Mathematics[1] (Myers) B1 110		1B *Mechanics, Molecular Physics, and Heat* Mj (or M each Term) (Hale) R 10 30-12 30 17 Experimental Physics (Advanced) Mj (or M each Term) (Mann) R 10 30-12 30 37 Recent Developments of the Kinetic Theory Mj (Millikan) R	2[2] *General Inorganic Chemistry* DM 2T (Jones) Lect. 5 hrs. a week Lab., see 1 30 K 20 Lab. fee, $5.00 2A *Lectures of Course 2* M 2T (Jones) K 20 Lab. See 1 30 No lab. fee 2B *General Inorganic Chemistry* DM 2T (Jones) K 20 Lab., see 1 30 Lab. fee, $5.00 10:30
11:30	31 Solid Analytics and Determinants (Young) R 36 133 Pedagogy of Secondary School Mathematics[1] (Myers) B1 110 151 Differential Geometry (Maschke) R 36		1B See 10. 30 17 See 10 30 20 See 10. 30	1[1] *General Inorganic Chemistry* DM 1T (Jones) Lab.: M, Tu, Th, F 1 30-4 30 See 10 30 K 37 Lab. fee $5.00 1B *General Inorganic Chemistry Advanced* DM 1T (Jones) Lab. M, Tu, Th, F K 37 See 10 30 Lab. fee, $5.00
1:30			14 The Pedagogy of Physics M 1T (Millikan) R 20 Physical Manipulation M 1T (Gale) R 10 30-12 30 Lab. fee $5.00	2 *General Inorganic Chemistry* DM 2T (Jones) Lab. 1 30-4 30 Brownlee assisting Lab. fee $5.00 K 37 2B *General Inorganic Chemistry* DM 2T (Jones) Lab.: 1 30-4 30 Each Mj in DM K 37 See 10 30 Lab. fee $5.00 6 Qualitative Analysis (Stieglitz and Holmes) Mj or DM Lect. (6) M, Tu, W, F 1 30 Lab. 8 or 16 hrs. a week K 22 Prereq. General Chemistry 7 Qualitative Analysis Mj or DM (Holmes) Lect. Tu, F 1 30 K 22 Lab. 8 or 16 hrs. a week Prereq. Course 6 or equivalent Lab. fee $5.00 per Mj 8, 9 Quantitative Analysis 1T (Stieglitz and Barnard) 2T (Barnard) Each Mj or DM Lab.: 10 or 20 hrs. a week K 31 Prereq. Qualitative Analysis Lab. fee $5.00 per Mj 18 Elementary Organic Preparations Mj or M (Hessler) Lab.: M, T, W 1 30-4 30 K 5 Prereq. General Chemistry Lab. fee $5.00 1:30
2:30	71 Theory of Numbers (Dickson) R 36			
3:30	66 Critical Review of Secondary Mathematics (Young) R 36 M, Th 3 30-5 30 [1]Offered in the School of Education Courses 44, 45, 46, see p. 8	*Evening Sessions* 9 Observatory Work (Laves) Prereq. Courses 3 and XVII 1 and 2 Research Work at the Yerkes Observatory, Williams Bay, Wis.	Course 33, see p. 8.	[1]See Course 2B for Laboratory work [2]Courses 1 and 2 are required of students in the College of Science who did not receive credit for Chemistry on admission Courses 10, 13, 20, 21, 22, 25, 28B, 30, 31, 33C, and 33D see p. 8

Hour	XXI. Geology	XXI A. Geography	XXII. Zoology	XXIII. Anatomy
8:00	10 Elementary Mineralogy and Petrology M 1T (Iddings) W 8.00-10 00	11 Economic Geography of North America (Goode) W	2 *General Biology* DM 1T (Strong) Lect.: 11 30 Lab. 8 00-11 30 Lab. fee $2.50 7 *Invertebrate Zoology* DM 1T (Child) Lab. See 9 00 21 Vertebrate Embryology (Lillie) Lect. 11 30, Lab. 8 00-11 30 Lab. fee $2.50	6 Human Osteology M 1T (Simpson) Lect., Th, F 8 00 H 11 Lab. Th, F 9 00-12 30 Lab. fee $1.25 11A Splanchnology, Histology and Cytology Mj (Simpson) Lect. M, Tu, W 8 00 H 11 Lab. M, Tu, W 9 00-12 30 Lab. fee $1.75 21 Anatomy of the Eye DM 1T (Wilson) Lect. M, Tu, W, Th 8 00 Lab. M, Tu, W, Th 9 00-11 30 H 11 Lab. fee $2.50 23 Anatomy of the Pharynx and Larynx DM 1T (Wilson) Lect. M, Tu, W, Th 8 00 Lab. M, Tu, W, Th 9 00-11 30 H 11 Lab. fee, $2.50 8:00
9:00	10 See 8 . 00.	7 Influence of Geography on American History M 2T (Barrows) W	2 See 8 00 7 Lab. 9 00-12 00 Lab. fee $1.50 21 See 8 00	6 Lab Work: Th, F See 8 00 11A Lab Work M, Tu, W See 8 00 21 Lab Work M, Tu, W, Th See 8 00 23 Lab. Work M, Tu, W, Th See 8 00 9:00
10:30	15A Advanced Physiography, Geographic Geology M (or DM 1T) (Salisbury) W Prereq. Elementary Physiography and Elementary Geology		2 See 8 00 7 See 9:00 21 See 8 00	6 Lab. Work Th, F See 8 00 11A Lab. Work M, Tu, W See 8 00 21 Lab Work M, Tu, W, Th See 8 00 10:30
11:30	19 The Teaching of Physiography M 1T (Salisbury) W Prereq. Physiography		2 *General Biology* (Strong) Lect. Lab. see 8 00 7 See 9:00 21 Vertebrate Embryology. Lect. (Lillie) Lab., see 8 00	6 Lab Work Th, F See 8 00 11A Lab. Work M, Tu, W See 8 00 21 Lab. Work: M, Tu, W, Th See 8 00 23 Lab. Work M, Tu, W, Th See 8 00
1:30	7 Field and Laboratory Course M 1T (Lee) 1 30-3 30 Prereq. Physiography	1 *Elementary Meteorology and Oceanography* M 2T (Barrows) W Commercial Geography for Teachers (Goode) See 11 5	3 *Field Zoology* DM 1T Lect. daily. Lab. 18 hours per week Lab. fee $2.50 13 Field Zoology DM 2T (Shelford) Lect. daily. Lab. afternoons and Saturday morning Lab. fee $2.50	20 Anatomy of the Ear, Nose and Throat DM 1T (Shambaugh) Lect.: M, Tu, W, Th 1 30 Lab. M, Tu, W, Th 2 30-4 30 Lab. fee, $2.50
2:30	1A *Physiography* M 2T (Barrows) W 2A Geologic History of Organisms M 1T (Weller) W Prereq. The elements of Physiography and Zoology 7 See 1 30		8 *The Evolution of the Domestic Animals* M 1T (Williston)	20 Lab. Work: M, Tu, W, Th See 1 30
3:30	Courses 8, 20, 20A, 43, 46, see p. 8	Course 30, see p. 8	14 Studies of Birds DM 1T (Strong) Lab. Saturday morning and early mornings 28 Animal Evolution DM 2T (Strong) Prereq. Course 2 or its equivalent Courses 29, 40, and 42, see p. 8	20 Lab. Work: M, Tu, W, Th See 1. 30 Courses 40 and 41, see p. 8

Hour	XXIV. Physiology	XXV. Neurology	XXVII. Botany	XXVIII. Pathology and Bacteriology	XXXI. Public Speaking	XXXII. Physical Culture (For Junior and Senior Colleges) A. Men	B. Women
8:00	0 *General Course in Physiology for Teachers* Mj (or M either term) (Wurfel and Wilson) Lect. Tu, Th, F, 8 00 P 16 Lab Tu, Th 1 30-3 00 Lab. fee $2.50 15 Special Physiology of Mammals ½ Mj (Guthrie) S, 8 00-12 30 Lab. fee $1.25	3A Gross and Microscopic Anatomy of the Human Nervous System and Sense Organs DM 1T (Donaldson and Hatai) Lect. M, Tu, W, Th 8 00 H 2? Lab M, Tu, W, Th 9 00-12 30 H 2? Prereq. Microscopic Anatomy Lab. fee $2.50 11 Physical and Chemical Characters of the Nervous System in relation to Histological Technique M or DM 2T (Hatai) Lect. M Th 8 00 H 2? Lab. M Th 9 or 12 00 H 2? Prereq. Histology Lab. fee $2.50	1 *Elementary Botany* (Coulter and Miss Carruthers) Mj B 13 Daily 8 00-10 00 Lab. fee $2.50 4 Methods in Plant Histology (Land) Lab. Daily 8 00-10 00 DM 1T B 21 Prereq. Course 1 or its equivalent Lab. fee $2.50 See 1 30 14 Special Morphology of Gymnosperms (Coulter and Chamberlain) Mj or M Lab. Tu, Th, F 8 00-10 00 B 21 Prereq. Courses 1 and 9 Lab. fee $2.50 See 9 00	2A General Pathology and Pathological Histology DM 1T (Ricketts) Lect. M, Tu, W 8 00 Lab. M, Tu, W 10 00-12 30, M, Tu 1 30-4 30 Prereq. ... Lab. fee $1... 2B (Course 2A continued) DM 2T	8 The Teaching of Reading (Clark and Nelson) K 11	A physical examination is required of each undergraduate student as early in the year as the appointment can be made. All regular gymnasium classes are divided into squads which are assigned in the Natatorium for instruction in elementary and advanced swimming	
9:00	14 Physiology of Digestion, Metabolism, etc. Mj (Guthrie) Lect and Rec. M, Tu, W 9 00 P 16 Lab W, 10 00-12 30 and 1 30-4 30 P 11 and 12 Lab. fee, $2.50	3A Lab work M, T, W, Th (see 8.00) 11 Lab. work. M-Th (see 8 00)	1 *Elementary Botany* See 8 00 4 Methods in Plant Histology See 8 00 and 1:30 14 Special Morphology of Gymnosperms Lect. M, W (See 8 00) B 23	2A Lab. Work M, Tu, W (see 8 00) 2B Lab Work M, Tu, W 2T (see 8 00)	2 *Development of Expression* Mj (or M each Term) (Clark and Nelson) K 11 9 The Vocal Interpretation of Literature (Clark and Nelson) K 11		General Work (Elective) Swimming Running Tennis Golf 9:30
10:30	21 Pharmacology 1½ Mj (Matthews) Lect. M, Tu, W 9 00 P 25 Lab. Th, F, 10 00-12 30, S, 8 00-10 00 P 41 Prereq. Physiological Chemistry and Physiology	3A Lab work M, Tu, W, Th (see 8 00) 11 Lab. work M Th (see 8 00)	9 Gen'l Morphology of Spermatophytes (Coulter and Land) Lab · M, W, F 10 30-12 30 Prereq. Course 1 or its equivalent Lab. fee $2.50 See 11 30 17 Cytology (Chamberlain) Mj Lect. M W B 23 Lab. Tu, Th, F 10 30-12 30 B 2? Prereq. Course 4 Lab. fee $2.50 See 11 30	2A Lab. Work M, Tu, W, 1T (see 8 00) 2B Lab Work M, Tu, W 2T (see 8 00)			
11:30		3A Lab. work M, Tu, W, Th (see 8 00) 11 Lab. work M-Th (see 8 00)	9 Gen'l Morphology of Spermatophytes Lect. T, Th 10:30 B 23 See 10. 30 17 Cytology See 10:30	1A The Pathogenic Bacteria 1½ Mj (Harris and Ames) Lect. M, Tu, W, Th, F 1 30 Z ... Lab. M, Tu, W, Th, F 2 30-4 30 Prereq. Completion of first nine Majors of medical work or equivalent Lab. fee $1...	1A *Required Course* 1T Sec. a (Gorsuch) K 14 1B *Required Course* 2T Sec. a (Gorsuch) K 11		
1:30	20 Physiological Chemistry 1½ Mj Lect.: M, W, Th, F, 1 30-2 30 P 25 Lab.: W, Th, F, 2 30-5 00 P 25		2 *Elementary Plant Physiology* (McCallum) Mj Lect. Tu, Th B 2? Lab. M, W, F 1 30-3 30 B 11 Prereq. Course 1 or its equivalent Lab. fee $2.50 See 2 30 3 *Elementary Ecology* (Transeau) DM 1T M-Th 1 30-4 30 and Saturday afternoons B 3? Prereq. Course 1 or its equivalent See 2 30 and 3 30 4 Methods in Plant Histology Lect. M B 23 Lab.: Daily 8.00-10:00, and Tu F 1 30-3 30 See 8 00 6 Field Botany (Land and Miss Tarrant) DM 2T Field work, daily 1 30-5 30 Prereq. Course 1 or its equivalent 1:30	1A Lab Work (see 1 30) 2A Lab Work M, Tu, W 1T (see 8 00) 2B Lab Work M, Tu, W 2T (see 8 00)	8 The Teaching of Reading (Clark and Nelson) K 16 1A *Required Course* 1T Sec. b (Gorsuch) K 11 1B *Required Course* 2T Sec. b (Gorsuch) K 14	4 Graded Exercises and Group Games (Raycroft) 12:15	
2:30			2 *Elementary Plant Physiology* See 1 30 3 *Elementary Ecology* See 1 30 4 Methods in Plant Histology See 8 00 and 1:30 6 Field Botany See 1 30; also 3.30-5 30 2:30	1A Lab. Work (See 1 30) 2A Lab. Work M, Tu, W 1T (see 8 00) 2B Lab Work M, Tu, W 2T (see 8 00)	9 Vocal Interpretation of Literature (Clark and Nelson) K 14	20 Elementary Swimming (Knudson) 2:15	
3:30	Courses 30, 41, 43, and 44, see p. 8	Courses 6A, 7, and 11, see p. 8	[1]Can be taken as a Minor either Term: Gymnosperms, First Term, Angiosperms, Second Term Courses 10A, 18, 19, and 36 see p. 8	Path 111 1T See 8 00 Path 2B 2T See 8 00 Courses 4, 8, 7A, 7B, 9, 10, 13A, 13B, 14, and 18, see p. 8.	See also Courses in the Divinity School	21 Advanced Swimming and Methods of Life Saving (Knudson) 3:15 12 Basket Ball (Raycroft) 26 Forms and Methods in Track and Field Athletics (Raycroft) 39 Baseball (——) 4:15	General Work (Elective) Swimming Rowing Tennis Golf 4:15

II. COURSES OFFERED BY THE FACULTY OF THE DIVINITY SCHOOL

REVISED FOR THE SUMMER QUARTER, 1905

	XLI. OLD TESTAMENT	XLII. NEW TESTAMENT	XLIV. SYSTEMATIC THEOLOGY	XLV. CHURCH HISTORY	XLVI. HOMILETICS	XXXI. PUBLIC SPEAKING	LXI. DISCIPLES' DIV.	MUSIC
7:00				16 Forerunn's of the Reformation in Italy Mj (Moncrief) ℔ 36				
8:00	1 Hebrew Language DMj or 2 DM (Price & Smith) ℔ 21 See 11:30 69 History of the Priest System ¼ or ½ Mj Su. 8:30 (W. R. Harper) ℔ 17 210 Beginner's Hieroglyphic Mj (Breasted) ℔ 24	12 Social and Religious History of Palestine in New Testament Times M 2T (Mathews) ℔ 28		1 Outlines of Church History Mj (Moncrief) ℔ 36 *Required*		20 Vocal Expression in Public Worship and Preaching Mj (or M each Term) (Blanchard) ℔ 17		
9:00	12 Advanced Hebrew Grammar: Etymology M 2T (Price) ℔ 21 13 Advanced Hebrew Grammar: Syntax M 1T (Price) ℔ 21 226 History of Egypt Mj (Breasted) ℔ 24	25A The Gospel of Matthew Mj (Burton) ℔ 28	39 The Doctrine of Salvation M 2T (Mathews) ℔ 26					
10:30	22 Jeremiah Mj (Price) ℔ 21 185 Advanced Arabic Mj (Breasted) ℔ 24	15 General Survey of the New Testament Literature Mj (or M each Term) (Burton) ℔ 28 *Required*	29 The Doctrine of the Work of Christ M 1T (Foster) ℔ 26	32 The British and Early English Church (A. D. 30-1066) M 1T (Hulbert) ℔ 36 17 The Age of the Reformation M 2T (Allen) ℔ 36				
11:30	1 Hebrew Language DMj or 2DM (Price & Smith) ℔ 21 See 8:00 64 The Psalter (In English) M 1T (Willett) ℔ 28 65 The Book of Job (In English) M 2T (Willett) ℔ 28	54 Readings in Christian Literature Bearing on New Testament Books M 1T (Goodspeed) ℔ 25	43 The Naturalistic and the Religious View of the World M 1T (Foster) ℔ 26	2 The Ancient Church M 2T (Allen) ℔ 36 22 The Scotch Reformation M 1T (Hulbert) ℔ 36				
1:30	42 Hebrew Philosophy and Ethics Mj (W. R. Harper) ℔ 21 55 The Doctrine of the Future Life in the Old Testament Sem. M 1:30-3:30 Mj. (W. R. Harper) ℔ 26	1 New Testament Greek Mj (Votaw) ℔ 28 *Required* 4 Rapid Translation and Interpretation M 1T (Goodspeed) ℔ 25		3D From Primitive to Catholic Christianity M 1T (Gates) ℔ 36	4 Constructive Homiletics: Plans and Sermons Mj (Judson) ℔ 17 *Required*			
2:30	74 Biblical Apocalyptic Mj (Willett) ℔ 21 80 Beginnings of Old Testament Literature and History Mj (W. R. Harper) ℔ 26 *Required*	32 Paul's Corinthian Epistles Mj (or M each Term) (Votaw) ℔ 28 38B Epistles of John M 1T (Goodspeed) ℔ 25		17A The Life and Work of Erasmus M 1T (Gates) ℔ 36	9 Homiletic Use of the Bible Mj (Judson) ℔ 17			
3:30	114 From Solomon to Nehemiah Mj (Willett) ℔ 21 150 Assyrian Language Mj (Smith) ℔ 28						4 Historic Place and Mission of the Disciples M 1T (Gates) H 36	1 Sight Reading and Voice Training M, Th (Jones) ℔ 17
4:30							5 Practical Problems among the Disciples of Christ 1T (Willett) H 21 (Open Lectures) 6 The Place of the Disciples among the Religious Forces of Today 2T (Willett) H 21 (Open Lectures)	

III. THE LAW SCHOOL

REVISED FOR THE SUMMER QUARTER, 1905

	FIRST YEAR	SECOND AND THIRD YEARS
8:00	7 Persons (Abbott) Tu, W, Th, F	7 Persons (Abbott) Tu, W, Th, F 30 Suretyship (Whittier) M (see 11:30 and 10:30)
9:00	2A Torts (Hall) 1T M, Tu, W, Th, F (see 11:30) 60A Criminal Law (Scott) 2T M, Tu, W, Th, F (see 11:30)	51A Private Corporations (Wilgus) 1T M, Tu, W, Th, F (see 11:30) 64 Federal Constitutional Law (McClain) 2T M, Tu, W, Th, F (see 11:30)
10:30		30 Suretyship (Whittier) F (see 8:00 and 11:30) 16 Future Interests (Abbott) M, Tu, W, Th
11:30	2A Torts (Hall) 1T M, W, F (see 9:00) 60A Criminal Law (Scott) 2T M, W, F (see 9:00)	51A Private Corporations (Wilgus) 1T M, W, F (see 9:00) 30 Suretyship (Whittier) Tu, Th (see 8:00 and 10:30) 64 Federal Constitutional Law (McClain) 2T M, W, F (see 9:00)
1:30		67 Administrative Law (Freund) M, Tu, W, Th
2:30		15 Wills and Administration (Freund) M. Tu, W, Th

A. CHANGES IN THE SUMMER ANNOUNCEMENTS

As few changes as possible have been made since the Summer Announcements were issued in February. In a few cases owing to illness of instructors, however, it has been necessary either to withdraw courses originally offered or to make rearrangements in order to avoid such withdrawal. It will be noted that the statements in these announcements are final, and that students should register in accordance with the plans herein contained, and not from the Circular issued in February.

B. LABORATORY, RESEARCH, AND SEMINAR COURSES

IN WHICH THE HOURS ARE TO BE ARRANGED WITH THE INSTRUCTORS

VIA. HOUSEHOLD ADMINISTRATION

50 Special Research. (Instructors of Department)

XVII. MATHEMATICS

44A B Practice Teaching of Mathematics by the Laboratory Method (Myers)

45 B C D Reading and Research in Pure Mathematics (Maschke and Dickson)

46 B C D Reading and Research in Applied Mathematics (Maschke, Myers, Lunn)

XIX. PHYSICS

33 Research Course. DMj (or Mj each Term) (Mann) ℞

XX. CHEMISTRY

10 Advanced Qualitative Analysis. Mj or DM (Holmes) Continuation of Courses **6** and **7**. Lab. fee $5.00 ℞ 42

13 Special Methods of Quantitative Analysis. Mj or DM 1T (Stieglitz and Barnard), 2T (Barnard). Lab. fee, $5.00

20, 21, 22 Organic Preparations. Each Mj or DM (Hessler). Lab. fee, $5.00 per Mj ℞ 24

25 Inorganic Preparations Mj or DM (Hessler)

28B Practical Physical Chemistry ½ Mj or M 1T (Stieglitz) 2T (McCoy) ℞ 31
Prerequ.: College Physics (1) and Quantitative Analysis (8). Course 28A should accompany or precede this course

30, 31 Advanced Physical Chemistry. Each DM 2T (McCoy) ℞ 15 Lab. fee, $5.00

33C Research Work in Physico-Organic and Organic Chemistry. DM 1T (Stieglitz). Lab. fee, $5.00 per Mj ℞ 24

33D Research Work in Physical Chemistry DM 2T (McCoy). Club meetings. (All instructors) ℞ 22

XXI. GEOLOGY

8 Field Geology. 3M 1T (Atwood)

8 Field Geology. 3M 2T (R. T. Chamberlin)

20 Field Geology. 3M 2T (Salisbury, Atwood, and Alden)
Prerequ.: Courses 8 and 16

20A Field Geology. 3M (Weller)
Prerequ.: Same as for Course 20

43 Special Geology. M or DM 1T (Salisbury) W.

46 Field Geology. (Chamberlin, Salisbury, Iddings, and Weller)
Prerequ.: Course 20

XXIA. GEOGRAPHY

30 Research Course in Physical Geography (Salisbury and Goode) W.

XXII. ZOÖLOGY

29 Marine Biology. DMj (Whitman and Lillie). Woods Holl

40 Zoölogical Problems. 2 or 3 Mj (Whitman and Lillie). Woods Holl

42 Zoölogical Problems. DMj (Child and Tower). Lab. fee, $2.50 per Mj

XXIII. ANATOMY

40 Advanced Work. 1 to 3 Mj (Wilson). Lab. fee, $2.50 per Mj

41 Research Work. 1 to 4 Mj (Wilson). Lab. fee, $2.50 per Mj

XXIV. PHYSIOLOGY

30 The Cells and Liquids of the Body and Their Physico-Chemical Relations. Mj (Stewart and Wilson). Lab. fee, $2.50

41 Seminar: (Stewart and Wilson)

43 Research in Pharmacology. Mj (Matthews). Lab. fee, $2.50 per Mj

44 Research in Physiology. 1 to 2 Mj (Stewart, Guthrie, and Woelfel). Lab. fee, $2.50 per Mj

XXV. NEUROLOGY

6A Seminar. M 1st T (Donaldson)
Prerequ.: Consent of Head of Department

7 Research. 1 or more Mjs (1st T, Donaldson); (2d T, Hatai)
Prerequ.: A knowledge of the main facts of Neurology. Lab. fee, $2.50 per Mj

11 Physical and Chemical Characters of the Nervous System in Relation to Histological Technique. M or DM. 2d T (Hatai) Lab. fee, $2.50 per Mj
Prerequ.: Histology

XXVII. BOTANY

10A Special Morphology of Algae. Mj or DMj (Davis). Woods Holl

18 Advanced Morphology. Mj or DMj (Coulter and Chamberlain). Lab. fee, $2.50
Prerequ.: The course in Special Morphology of group chosen

19 Research in Morphology. Mj or DMj (Coulter and Chamberlain). Lab. fee, $2.50

36 Field Ecology. Likely to be given this Summer in Scotland (Cowles)

XXVIII. PATHOLOGY AND BACTERIOLOGY

4 Advanced Bacteriology. Mj or DMj (Harris). Lab. fee, $2.50 per Mj
Prerequ.: Consent of Instructor

7A Principles of Hygiene. M 1st T. (Manwaring). Lab. fee, $1.25
Prerequ.: Elementary Chemistry.

7B The Nature of Disease. M 2d T (Manwaring). Lab. fee, $1.25
Prerequ.: Course 7A is desirable

8 Pathology of the Eye. DM 1st T. (Pusey). Lab. fee, $2.50
Prerequ.: General Pathology

9 Advanced Pathology. Mj or DM (Ricketts). Lab. fee, $2.50 per Mj
Prerequ.: General Pathology and Bacteriology

10 Research in Pathology. Mj or DMj (Hektoen, Ricketts). Lab. fee, $2.50 per Mj
Prerequ.: Consent of Head of Department

13A Lab. Course in Immunity. ½ Mj or M (Hektoen, Ricketts). Lab. fee, $1.25
Prerequ.: Bacteriology and General Pathology

13B Lecture Course in Immunity. ½ Mj or M (Ricketts)
Prerequ.: Bacteriology and General Pathology

14 Bacteriology of Autopsies. Mj (Ricketts and Harris). Lab. fee, $2.50
Prerequ.: General Pathology and Bacteriology

18 Introduction to Pathological Physiology. Lecture Course. ½ Mj (Manwaring)